

LETTER REPORT
FOR
KRESS CREEK OIL SPILL
CAROL STREAM, DUPAGE COUNTY, ILLINOIS
TDD: S05-9908-022
PAN: 9G2201RZXX

11/18/99

November 18, 1999

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Emergency Response Branch
77 West Jackson Boulevard
Chicago, Illinois 60604

Prepared by: Erin White
Erin White, START Project Manager

Date: 11/18/99

Reviewed by: Patrick Zwilling
Patrick Zwilling, START Assistant Program Manager

Date: 11/18/99

Approved by: Mary J. Ripp
Mary Jane Ripp, START Program Manager

Date: 11/18/99



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November 18, 1999

Ms. Gail Nabasny, START Project Officer
Emergency Support Section
United States Environmental Protection Agency
77 West Jackson Blvd - SE-5J
Chicago, Illinois 60604

Re: Kress Creek Oil Spill
Carol Stream, DuPage County, Illinois
TDD: S05-9908-022
PAN: 9G2201RZXX

Dear Ms. Nabasny:

The Ecology and Environment Inc. (E & E), Superfund Technical Assessment and Response Team (START) was tasked under Technical Direction Document (TDD) S05-9908-022 to assist United States Environmental Protection Agency (U.S. EPA) On-Scene Coordinator (OSC) Steven Faryan in assessing conditions at the Kress Creek Oil Spill emergency response. The site is located in Carol Stream, DuPage County, Illinois. The geographic coordinates for the site are latitude 41° 90' 95" N and longitude 88° 11' 01" W (Attachment A, Figure 1).

The Kress Creek Oil Spill site was located in storm sewers adjacent to Randy Road, Gerzewske Lane, and Kehoe Avenue in Carol Stream, Illinois. The release of oil occurred at 444 Randy Road, and traveled through the storm sewers along Gerzewske Lane until it surfaced in Kress Creek adjacent to Kehoe Avenue (Attachment A, Figure 2). A visible sheen was detected in Kress Creek along Kehoe Avenue, and further downstream across Gary Avenue in a residential neighborhood. However, the majority of the oil was contained near the creek storm water outlet located on the southwestern corner of Kehoe Avenue and Gerzewske Lane. This stream is a tributary to the DuPage River.

On August 31, 1999, U.S. EPA was notified by the Illinois Environmental Protection Agency (Illinois EPA) of an oil spill in Carol Stream, Illinois. Illinois EPA and the Carol Stream Fire Department had observed free floating oil emanating from the Kress creek storm water outlet at the southwestern corner of Kehoe Avenue and Gerzewske Lane. At that time, Illinois EPA had not determined the source of the oil. The Kress Creek storm water outlet is located in an industrial park, approximately ½ mile from the nearest residence. The Carol Stream Fire Department had attempted to control the oil release by deploying a series of boom in Kress creek along Kehoe Avenue, and in the creek as it traveled through a residential area located to the west of Gary Avenue.

U.S. EPA, START, and the Emergency and Rapid Response Services (ERRS) contractors met on site on September 1, 1999. Representatives from Illinois EPA and the Village of Carol Stream were also present on site. Photodocumentation of the site visit is presented in Attachment B. Upon arriving at

the site, U.S. EPA and START observed free floating oil in Kress Creek. Additionally, a fish kill including approximately 10 to 15 fish and two frogs was observed in the creek.

U.S. EPA, START, Illinois EPA, and City of Carol Stream representatives conducted a search of the neighborhood to determine the source of the oil. The oil was observable in the storm sewer adjacent to Gerzewske Lane and, subsequently, in the storm sewer adjacent to Randy Road. However, the oil sheen disappeared approximately 2,000 feet east of the intersection of Randy Road and Gerzewske Lane. U.S. EPA and Illinois EPA requested to inspect several facilities along Randy Road. U.S. EPA and Illinois EPA tracked the oil to Illini Power Products, located at 444 Randy Road. The facility had three storm outlets, two of which contained oil. One of the storm sewers contained an oil stain and small oily puddles around the manhole cover. The manager of the facility admitted that there had been an oil spill on the site. He requested that U.S. EPA and Illinois EPA meet with the owner of the facility, Mr. Earl Harbaugh, to further discuss the situation.

During the interim, U.S. EPA requested their ERRS contractor Earth Tech, Inc., and their subcontractor, Hazchem Environmental Corporation, to use absorbent pads to collect oil from Kress Creek at the storm water outlet adjacent to Kehoe Avenue. Upon the arrival of Mr. Harbaugh at the site, he accepted responsibility for the situation and assumed the cost of the cleanup. He selected Hazchem Environmental Corporation as his contractor to complete the necessary work. All parties agreed to lay out a series of boom in the creek, and then to flush the storm sewer to remove any remaining oil from the sewer line. North Branch Environmental vacuum trucks were also brought on site to collect the oily water from the storm sewer. The Carol Stream Fire Department offered use of their hoses and fire hydrant to flush the storm sewer.

North Branch Environmental initially pumped recoverable oil and water from four manhole points along Randy Road and Gerzewske Lane. Subsequently, clean water from a fire hydrant was pumped directly into the storm sewer line from Illini Power Products' property. The water was flushed along Randy Road and Gerzewske Lane, and collected at the creek storm water outlet adjacent to Kehoe Avenue. The flushed water was a bright magenta color when it arrived at the outlet, and contained an odor similar to hydraulic fluid. After the contaminated water was pumped out for disposal, a series of clean boom was placed in Kress Creek to contain any further spread of oil which might wash out of the storm drain.

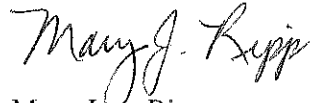
On September 2, 1999, U.S. EPA, Illinois EPA, START, and Hazchem Environmental Corporation arrived on site to assess the water quality in Kress Creek. Although some oily residue was still visible on the water surface, the water quality was much improved from the prior day. Hazchem Environmental Corporation continued boom and pad maintenance along Kehoe Avenue and further downstream in the residential neighborhood, until all of the visible oil was collected and contained.

The preparation of this Letter Report serves as the final deliverable, per OSC Faryan's request. All tasks pertaining to this TDD have been completed. Please contact our office should any additional information on this site be necessary.

Sincerely,

A handwritten signature in cursive script that reads "Erin White".

Erin White
START Project Manager

A handwritten signature in cursive script that reads "Mary J. Ripp".

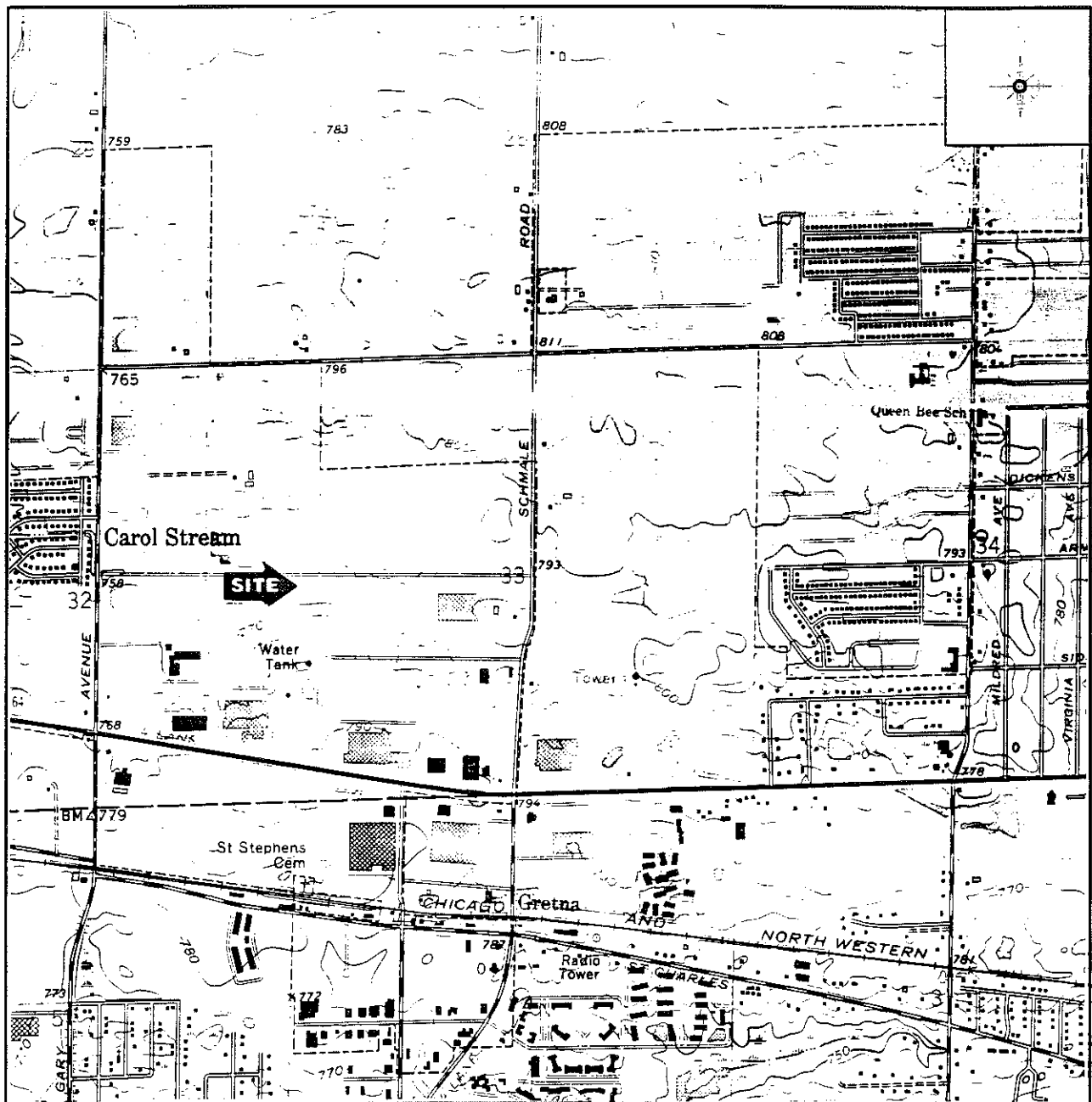
Mary Jane Ripp
START Program Manager

Attachments: A - Figures
 B - Photodocumentation

cc: Steven Faryan, U.S. EPA OSC
 START TDD file

Attachment A

Figures



Quadrangle location

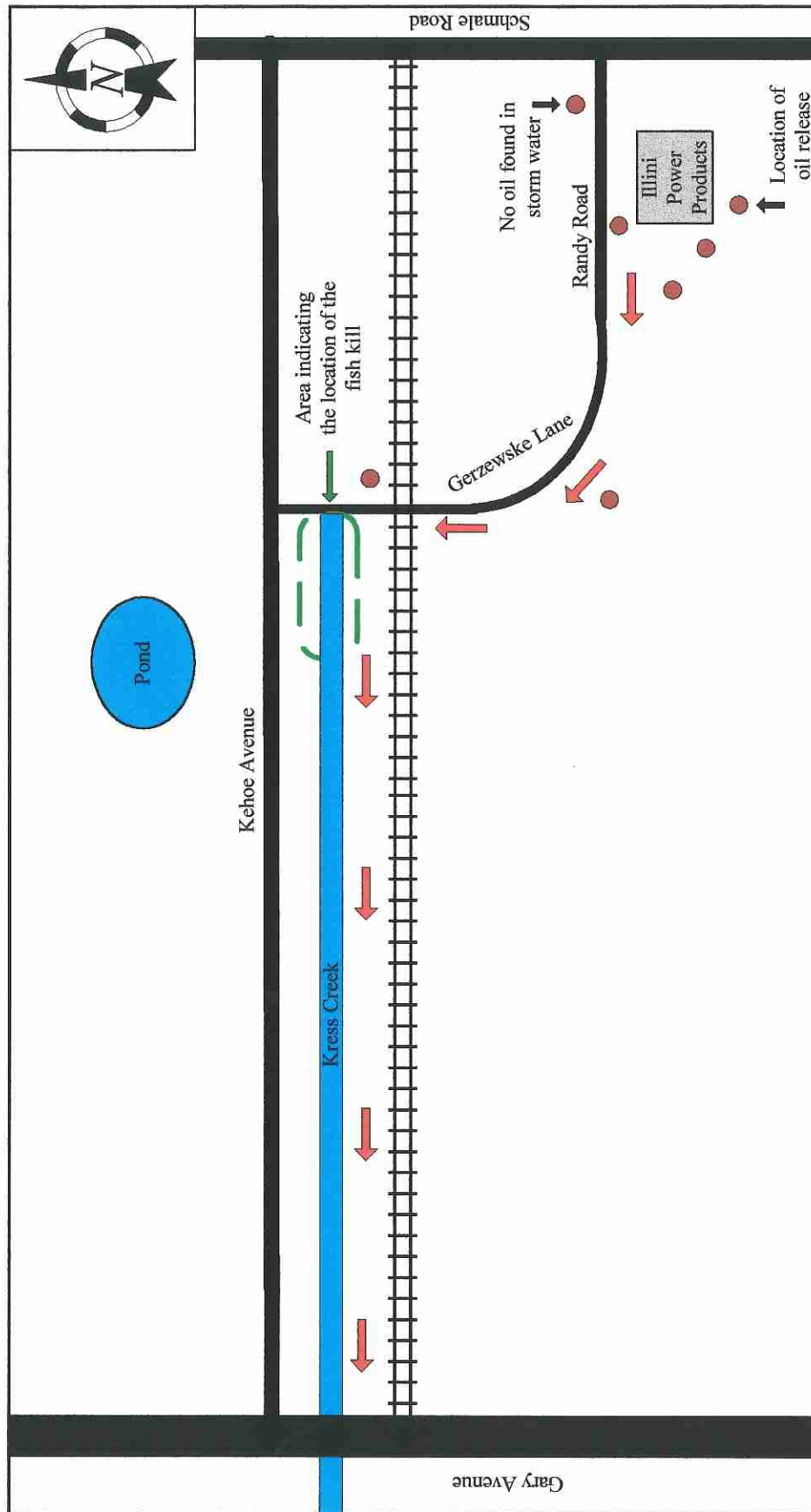


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Region 5 - Superfund Technical Assessment And Response Team

33 North Dearborn Street, Chicago, Illinois 60602

TITLE	Site Location Map	FIGURE	1
SITE	Kress Creek Oil Spill	SCALE	1:24,000
CITY	Carol Stream	STATE	Illinois
SOURCE	USGS Topographic Map 7.5 Minute Series - Lombard, IL Quadrangle	TDD	S05-9908-022
		DATE	1962
		REVISED	1972



Legend	ecology and environment, inc. Region 5 - Superfund Technical Assessment and Response Team 33 North Dearborn, Suite 900, Chicago, Illinois 60602		FIGURE	2
	TITLE Site Features Map SITE Kress Creek Oil Spill CITY Carol Stream STATE Illinois SOURCE Ecology and Environment, Inc.		SCALE	Not to scale
			TDD	S05-9908-022
			DATE	October 1999

Attachment B

Photodocumentation



Site:	Kress Creek Oil Spill	Date:	September 1, 1999	Time:	1045
Location:	Carol Stream, IL	Direction:	West	Photographer:	E. White
Subject:	Visible oil sheen still apparent in the stream further downstream in the residential area.				



Site:	Kress Creek Oil Spill	Date:	September 1, 1999	Time:	1050
Location:	Carol Stream, IL	Direction:	South	Photographer:	E. White
Subject:	Small amounts of visible oil still seen in the creek downstream of the site in the residential area.				



Site: Kress Creek Oil Spill **Date:** September 1, 1999 **Time:** 0900
Location: Carol Stream, IL **Direction:** NA **Photographer:** E. White
Subject: Suctioning water and oil for disposal from a manhole located on Gerzewske Lane.



Site: Kress Creek Oil Spill **Date:** September 1, 1999 **Time:** 1330
Location: Carol Stream, IL **Direction:** South **Photographer:** E. White
Subject: Flushed water which has traveled from the spill site to the Kress Creek storm water outfall.



Site: Kress Creek Oil Spill **Date:** September 1, 1999 **Time:** 1035
Location: Carol Stream, IL **Direction:** South **Photographer:** E. White
Subject: Visible oil in water in Kress Creek at the southwest corner of Kehoe Avenue and Gary Avenue.



Site: Kress Creek Oil Spill **Date:** September 1, 1999 **Time:** 1040
Location: Carol Stream, IL **Direction:** South **Photographer:** E. White
Subject: Additional pads in Kress Creek as it travels through a residential neighborhood across Gary Avenue.



Site: Kress Creek Oil Spill **Date:** September 1, 1999 **Time:** 1025
Location: Carol Stream, IL **Direction:** Southwest **Photographer:** E. White
Subject: Additional boom placed by Carol Stream Fire Department in Kress Creek.



Site: Kress Creek Oil Spill **Date:** September 1, 1999 **Time:** 1030
Location: Carol Stream, IL **Direction:** Southeast **Photographer:** E. White
Subject: Additional pads placed by Carol Stream Fire Department in Kress Creek.



Site: Kress Creek Oil Spill
 Location: Carol Stream, IL
 Subject: ERRS crew member replaces oil-soaked pads with new ones.
 Date: September 1, 1999
 Direction: West
 Photographer: E. White
 Time: 1140



Site: Kress Creek Oil Spill
 Location: Carol Stream, IL
 Subject: Dead frog in Kress Creek.
 Date: September 1, 1999
 Direction: NA
 Photographer: E. White
 Time: 1125



Site: Kress Creek Oil Spill

Date: September 1, 1999

Time: 1115

Location: Carol Stream, IL

Direction: South

Photographer: E. White

Subject: Dead fish and oil-soaked absorbent pads in Kress Creek.



Site: Kress Creek Oil Spill

Date: September 1, 1999

Time: 1120

Location: Carol Stream, IL

Direction: South

Photographer: E. White

Subject: Dead fish and oil-soaked absorbent pads in Kress Creek.

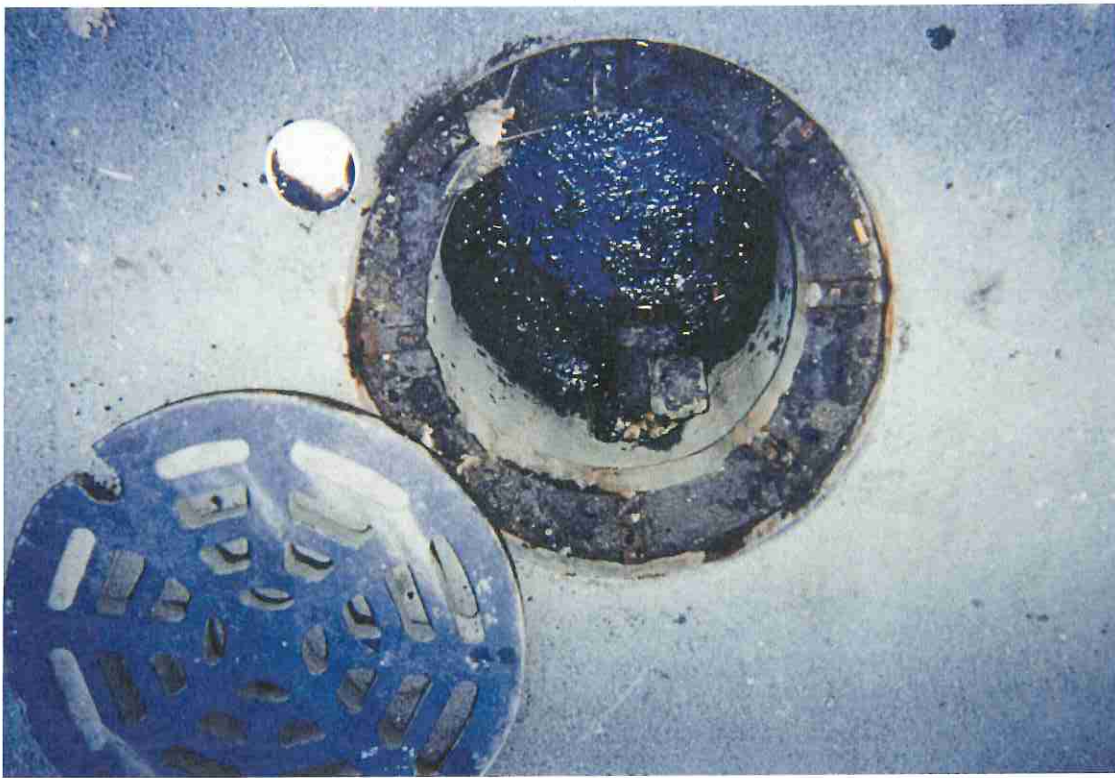


Site: Kress Creek Oil Spill **Date:** September 1, 1999 **Time:** 0850
Location: Carol Stream, IL **Direction:** South **Photographer:** E. White
Subject: Oil floating in Kress Creek at the southwest corner of Kehoe Avenue and Gerzewske Lane.



Site: Kress Creek Oil Spill **Date:** September 1, 1999 **Time:** 1100
Location: Carol Stream, IL **Direction:** South **Photographer:** E. White
Subject: Dead fish and oil-soaked absorbent pads in Kress Creek.

Site: Kress Creek Oil Spill
Location: Carol Stream, IL
Subject: Second storm sewer on Illini Power Products' property which contained large amounts of oil.
Date: September 1, 1999
Direction: NA
Photographer: E. White
Time: 1010



Site: Kress Creek Oil Spill
Location: Carol Stream, IL
Subject: Storm sewer on Illini Power Products' property located closest to the location of the oil spill.
Date: September 1, 1999
Direction: NA
Photographer: E. White
Time: 1000





Site: Kress Creek Oil Spill **Date:** September 2, 1999 **Time:** 0900
Location: Carol Stream, IL **Direction:** North **Photographer:** E. White
Subject: Improved creek water quality on the following day; however, a light oil sheen is still visible.



Site: Kress Creek Oil Spill **Date:** September 1, 1999 **Time:** 1500
Location: Carol Stream, IL **Direction:** Northwest **Photographer:** E. White
Subject: Pond located directly across Kehoe Avenue from Kress Creek.



Site: Kress Creek Oil Spill **Date:** September 1, 1999 **Time:** 1345
Location: Carol Stream, IL **Direction:** East **Photographer:** E. White
Subject: Suctioning out oil-contaminated water from Kress Creek for disposal.



Site: Kress Creek Oil Spill **Date:** September 1, 1999 **Time:** 1400
Location: Carol Stream, IL **Direction:** East **Photographer:** E. White
Subject: Oil-contaminated water in Kress Creek.